FieldServer Protocol Driver Sheet
RussElectric Model 2000

1 DESCRIPTION

The Serial Russelectric Model 2000 driver allows the FieldServer to transfer data to and from devices over either RS-232 or RS-485 using RTU protocol. The Russelectric Model 2000 drivers implement a Model 2000 Client and a Model 2000 Server. The Client driver can read data from a remote Server and send write data commands. The Server driver emulates a Model 2000 device and responds to data read and write poll commands.

2 FORMAL DRIVER TYPE

Serial

Client or Server

3 COMPATIBILITY MATRIX

FieldServer Model	Compatible with this driver
FS-x30	Yes
SlotServer	Yes
ProtoNode	No
QuickServer FS-QS-10xx	No
QuickServer FS-QS-12xx	No
ProtoCessor FPC-FO2	No
ProtoCessor FPC-FD2	No

4 CONNECTION INFORMATION

Connection type:	RS-232 or RS-485
Baud Rates:	110; 300; 600; 1200; 2400; 4800; 9600; 19200; 28800; 38400; 57600; 115200
Data Bits:	8
Stop Bits:	1
Parity:	Odd, Even, None (set to same as on Model 2000)
Multidrop Capability:	Yes

5 DEVICES TESTED

Device	Tested (FACTORY, SITE)
Model 2000	SITE

6 COMMUNICATIONS FUNCTIONS – SUPPORTED FUNCTIONS AT A GLANCE:

6.1 Data Types Supported

FieldServer Data Type	Description (or Device Data Type)
Analog Register	Register
Digital Register	Output Table Discretes

6.2 Read Operations Supported

FieldServer as a Client	FieldServer as a Server
Read Analog Status	Provide Analog Status
Read Registers	Provide Register Values
Read Binary Status	Provide Binary Status
Read Output Table	Provide Output Table Values

6.3 Write (Control) Operations Supported

FieldServer as a Client	FieldServer as a Server
Write Analog Setpoints	Accept Analog Setpoints
Preset Single Register	Accept Single Register Presets
Write Binary Commands	Accept Binary Commands
Force Single Output	Accept Force Single Outputs

6.4 Unsupported Functions and Data Types

Function	Reason
Programming messages	FieldServer is a data transfer device, and as such, programming messages are not required